



Event
MPTS IJET
FRM 4101 - FRM
4106
T-45
Mission

BASIC FORMATION
1.5 HOURS/X



ORM



FRM 4101-06

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
 - **CREW REST/ CREW DAY / WORK WEEK**
 - **WARM-UP ELIGIBILITY**
 - **PREVIOUS FLIGHT COMPLETE?**
 - **IP CURRENCY**
 - **READ AND INITIAL**

- **HUMAN FACTORS**
 - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
 - **MEDICAL STATUS**
 - **CREW DAY**
 - **CREW REST**
 - **NOURISHMENT**
 - **HYDRATION**

- **HAZARDS AND CONTROLS**
 - **ROUTINE**
 - **WEATHER**
 - **CURRENT OBSERVATIONS AND FORECASTS**
 - **CROSSWINDS**
 - **FUEL CONSIDERATIONS**



TTO



FRM 4101-06

- **WHO WILL CALL A TTO?**
- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
 - **SAFETY**
 - **CONFUSION**
 - **MISUNDERSTANDING**
- **IP RESPONSIBILITIES**
 - **RECOGNIZE THE NEED FOR A TTO**
 - **EXPLANATION / INSTRUCTION AS NECESSARY**
 - **DOCUMENTATION ON ATF**
- **WHEN AND HOW WILL TRAINING RESUME?**



SSR/DISCUSS ITEMS



FRM 4101-06

- **SPECIAL SYLLABUS REQUIRMENTS:**

- **FRM 4101 - AT A MINIMUM, EACH IP SHALL DEMONSTRATE THE FOLLOWING MANEUVERS:**

- **MARSHAL**
 - **RUNNING RNDV (MAY BE DONE AT ALT)**
 - **PARADE POSITION WITH TURNS**
 - **2 BOX CROSSUNDERS**
 - **2 BREAKUP AND RENDEZVOUS AS THE WINGMAN**
 - **UNDERRUN**
 - **LEAD CHANGE**

- **PREREQUISITES:**

- **FRM 3103**

- **DISCUSS ITEMS:**

- FRM 4101 - 4106**

- **NATOPS/SOP/EP QOD**



SYLLABUS NOTES



FRM 4101-06

- A. THESE EVENTS WILL BE FLOWN FROM THE FRONT COCKPIT**
- B. BRIEF 2+00 PRIOR TO TAKEOFF FOR FRM 4101**
- C. FRM 4101 WILL BE A DEMONSTRATION FLIGHT FLOWN WITH ANOTHER FRM 4101 WITH A STUDENT IN THE FRONT COCKPIT OF EACH AIRCRAFT.**
- D. ON FRM4101, ITEMS DEMONSTRATED BY THE INSTRUCTOR AND COVERED BY SPECIAL SYLLABUS REQUIREMENTS SHALL NOT BE GRADED. ALL OTHER ITEMS MAY BE GRADED, IF PERFORMED.**
- E. STUDENTS MUST FLY AT LEAST 24 FIELD-CARRIER LANDINGS IN THE BLOCK.**
- F. SECTION APPROACH AND SECTION MISSED APPROACH SHALL NOT BE FLOWN BY THE STUDENT UNTIL FRM 4104. THE APPROACH MAY BE SIMULATED AT ALTITUDE.**



SYLLABUS NOTES



FRM 4101-06

G. STUDENTS SHALL FLY THE FOLLOWING MANEUVERS ON EVERY FLIGHT (EXCEPT FRM 4101):

- **VFR PARADE AND TURNS**
- **BOX CROSSUNDERS**
- **BREAK UP AND RENDEZVOUS (250) - 6 DESIRED**
- **LEAD CHANGE**
- **UNDERRUN**

H. STUDENTS MUST FLY AT A MINIMUM THE FOLLOWING MANEUVERS DURING THE BLOCK:

- **RUNNING RENDEZVOUS (MAY BE DONE AT ALT) (2)**
- **TACAN RENDEZVOUS (2)**
- **SECTION BREAK (2)**
- **SECTION APPROACH TO MISSED APPROACH (3)**
- **PRECAUTIONARY APPROACH (1) (2 DESIRED)**



ADMIN (CARD)



FRM 4101-06

- **A/C - ATC C/S - CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN**



FRM 4101-06

ADMIN



- **LAUNCH**
 - **WEATHER / NOTAMS / TFR / BASH**
 - **PREFLIGHT / START / TAXI**
 - **ENROUTE PROCEDURES**
 - **RADALT USAGE**

- **RTB**
 - **RECOVERY**
 - **DIVERTS**



CONDUCT



FRM 4101-06

- **TIMS RESUME REVIEW**
- **PRACTICE:**
 - **CHECKLISTS/COMM/GROUND OPS**
 - **TAKEOFF/DEPARTURE/FLIGHT ADMIN**
 - **INDIVIDUAL/INTERVAL TAKEOFF**
 - **DEPARTURE**
 - **DESCENT/FIELD ENTRY**
 - **PARADE**
 - **URNS/ECHOLON**
 - **CROSSUNDER**
 - **LEAD CHANGE**
 - **TACAN RENDEZVOUS**
 - **BREAKUP AND RENDEZVOUS**
 - **UNDERRUN**
 - **RUNNING RENDEZVOUS**
 - **SECTION APPROACH/MISSED APPROACH AS WING**
 - **SECTION BREAK**
 - **PRECAUTIONARY APPROACH**
 - **VFR LANDING PATTERN**
 - **LANDING/TOUCH-AND-GO**
 - **SPECIAL SYLLABUS REQUIREMENTS**



BLOCK MIF



FRM 4101-06

CTS REF	MANEUVER	FRM4106
1	General Knowledge/Procedures	4+
2	Emergency Procedures	3+
3	Headwork/Situational Awareness	3+
4	Basic Airwork	4+
5	Mission Planning/Briefing/Debriefing	4+
6	Communications	3+
7	Ground Operations	4+
8	Flight Admin	3+
30	Individual/Interval Takeoff	4+
11	Departure	4
13	Descent/Field Entry	4
32	Parade	3+
32	Turns/Echelon	3+
32	Crossunder	3+
32	Lead Change	3+
32	TACAN Rendezvous	3+

32	Breakup and Rendezvous	3+
32	Underrun	3+
32	Running Rendezvous	3+
33	Section Approach/Missed Approach as Wing	3+
32	Section Break	3+
21	Precautionary Approach	3+
22	VFR Landing Pattern	3+
23	Landing/Touch-and-Go	3+
	Special Syllabus Requirements	1



FRM 4101-06



COORDINATION

(ALL AIRCREW)



COORDINATION



FRM 4101-06

ADMIN

- **ORM, TTO**
- **WX, NOTAMS**
- **TFR, BASH**
- **KNEEBOARD CARD REVIEW**
- **START, MARSHAL, TAXI, T/O, RNDV**
- **RTB**

TACADMIN

- **ALPHA CHECK**



COORDINATION



FRM 4101-06

MISSION

MANDATORY MANEUVERS:

- **PARADE TURNS**
- **BOX CROSSUNDERS**
- **B&R (250) 6 DESIRED**
- **LEAD CHANGE**
- **UNDERRUN**



COORDINATION



FRM 4101-06

MISSION

AS REQUIRED:

- **RUNNING RENDEZVOUS (MAY BE DONE AT ALT) (2)**
- **TACAN RENDEZVOUS (2)**
- **SECTION BREAK (2)**
- **SECTION APPROACH TO MISSED APPROACH (3)**
(AFTER 4103)
- **PRECAUTIONARY APPROACH (1) (2)**
DESIRED)



Emergencies



FRM 4101-06

- **AIRCRAFT FALLOUT**
- **CLEAR ENGINE PROCEDURE**
- **ABORTED TAKEOFF**
- **RWY DEP / LOSS OF DIRECTIONAL CONTROL**
- **SYSTEM FAILURES/ EPs / CRM**
- **BIRD STRIKE/ MIDAIR**
- **RADIO/ ICS FAILURE**
- **LOSS OF NAVAIDS / LOST PLANE**
- **INADVERTENT IMC / LOST SIGHT / LCLS**
- **DISORIENTATION / VERTIGO**
- **HYPOXIA**
- **EJECTION (HIGH / LOW / GROUND)**
- **SAR / ON SCENE COMMANDER**
- **DIVERT(S) / BINGO FUEL TO DIVERT**
- **UNDERRUN**